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SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

APRIL, 1927

This publication is issued monthly for the dissemination of information, instructions, ruling, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.

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CHANGES IN DIRECTORY

Meat Inspection Granted

*181. Montrose Beef Co., 188 North Main Street, Pittston, Pa.
671. La Touraine Co. (Inc.), 850 Washington Street, New York, N. Y.

Meat Inspection Withdrawn

*16. The Jersey City Stock Yards Co., Jersey City, N. J.
*16-A. The Jersey City Stock Yards Co., Jersey City, N. J.
*94. Louis Pfaelzer & Sons, Chicago, Ill.
*132-D. J. & D. M. White, Boston, Mass.
408. H. E. Whitaker Co., Philadelphia, Pa.
986. Benjamin Eskolsky, New York, N. Y.

Meat Inspection Extended

*3-AN. Swift & Co., Harrisburg, Pa., to include The Brelsford Packing & Storage Co.

Change in Name of Official Establishment

338. Andrew Peterman & Co., and E. W. Burr, 33 Front Street, New York, N. Y., instead of E. W. Burr.

Change in Address of Official in Charge

Dr. J. E. Cloud, 343 Federal Building, San Diego, Calif., instead of 219 Federal Building.

Dr. J. G. Fish, P. O. box 467 (office, 8 Lewis State Bank Building), Tallahassee, Fla., instead of Capitol Building.

New Station

Pittston, Pa., meat inspection, Dr. J. R. Donnelly, in charge, care Montrose Beef Co., 188 North Main Street.

Notes

The "Acting" in the designations of Dr. C. J. Becker, Baton Rouge, La., and of Dr. A. L. Darby, Fort Worth, Tex., should be removed.

The hog-cholera station at Madison, Wis., has been discontinued on account of the death of John T. Purcell and the hog-cholera work will be under the supervision of Dr. J. S. Healy, Madison.

NOTICES REGARDING MEAT INSPECTION

PROPRIETARY MEAT-CURING MIXTURES

Literature advertising a certain proprietary meat-curing preparation consisting of common salt and sodium nitrite is so worded as to convey the false and misleading impression that the preparation has some remarkable and mysterious effects which can not be obtained by the use of curing agents permitted under the Federal meat-inspection regulations. The advertising literature of some other proprietary meat-curing mixtures also tends to convey a false impression, and verbal statements of similar import are not infrequently made by salesmen vending such preparations.

Attention is directed, therefore, to the requirement that all curing mixtures used in establishments operating under the Federal meat-inspection service must consist exclusively of substances enumerated in regulation 18, section 6, paragraph 2, B. A. I. Order 211 (revised). The fact that the use of any proprietary preparation is permitted is evidence that it consists exclusively of substances permitted by the regulations.

INSPECTION FOR CYSTICERCUS BOVIS

The instructions appearing on page 2 of Service Announcements of January 15, 1913, covering the inspection of cattle carcasses for the presence of *Cysticercus bovis*, are superseded by the following:

Head.—Prior to inspection the tongue shall be sufficiently detached from the head bones, by an employee of the establishment, to allow a proper inspection to be made of the internal muscles of mastication. These muscles shall be inspected after incising them in such manner as to split the muscles in a plane parallel with the lower jawbone. The masseter muscles also shall be incised, splitting the entire external layer between the outer and intermediate fasciæ.

Heart.—The surface of the heart shall be examined, and a longitudinal incision made extending from base to apex through the wall of the left ventricle and the interventricular septum, after which the cut surfaces and the inner surface of the ventricles shall be examined.

* Conducts slaughtering.

Final inspection of retained carcasses.—The external and internal muscles of mastication, heart, and the muscular portion of the diaphragm, including its pillars, shall be carefully and thoroughly sliced to insure the finding of all cysts. Prior to the inspection of the diaphragm its peritoneum shall be removed. The tongue shall be carefully inspected by palpation and if the presence of cysts in the muscles of the organ is suspected, the tongue shall be thoroughly sliced and all parts closely examined for cysts. In addition to the foregoing the exposed muscles and cut muscular surfaces of the split carcass shall be examined.

Calves.—The routine inspection of calves more than six weeks old for the presence of *Cysticercus bovis* may be limited to a careful examination of the surface of the heart and such other surfaces as it is practicable to examine.

CERTIFICATES FOR LARD EXPORTED TO LATVIA

The bureau is officially informed that only lard which is refined and pure is acceptable for importation into Latvia and that the certificates which are required to accompany the product must show the name of the town where issued, and the description of the product in the certificate must read "Refined Pure Lard." Inspectors in charge of meat inspection will be governed accordingly and are notified that lard so certified must have been subjected to a filtering process sufficient to remove all scrap and foreign matter.

ADDITION TO LIST OF PERMITTED DYES

Under Food-Inspection Decision 209, Fast Green FCF is added to the list of permitted dyes authorized in Food-Inspection Decision 184 and enumerated in Service and Regulatory Announcements for October, 1922, page 114. This dye, therefore, may be used in connection with meat food products in conformity with the meat-inspection regulations.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, MARCH, 1927

Station	Cattle	Calves	Sheep	Goats	Swine
Baltimore.....	7,287	1,580	1,274	3	64,098
Brooklyn.....	6,801	7,164	27,074	3	61,955
Buffalo.....	7,990	4,535	9,039		
Chicago.....	156,049	60,742	200,092	300	517,530
Cincinnati.....	10,953	8,224	3,154	25	69,666
Cleveland.....	8,278	8,085	16,182		65,647
Denver.....	8,420	2,052	21,248		31,593
Detroit.....	6,517	7,053	11,613		78,629
Fort Worth.....	28,782	15,184	12,850	791	47,077
Indianapolis.....	17,024	4,658	2,572	1	100,909
Jersey City.....	4,190	9,768	29,664		52,336
Kansas City.....	83,058	21,788	86,283	1,017	204,642
Milwaukee.....	12,515	67,120	3,419	1	109,892
National Stock Yards.....	28,931	6,812	19,707		119,924
New York.....	26,296	48,612	141,833	11	99,415
Omaha.....	77,118	8,307	149,248	11	216,617
Philadelphia.....	8,004	9,298	18,518		83,682
St. Louis.....	13,422	4,256	3,397	1	127,899
Sioux City.....	38,378	5,439	35,834		204,679
South St. Joseph.....	32,179	7,059	109,076	1	88,569
South St. Paul.....	40,792	74,119	14,009		211,744
All other establishments.....	138,315	74,714	110,650	393	1,280,775
Total: March, 1927.....	761,299	456,599	1,026,736	2,558	3,837,278
March, 1926.....	785,545	463,675	1,162,503	826	3,562,243
9 months ended March, 1927.....	7,723,550	3,734,336	9,884,660	24,825	31,302,543
9 months ended March, 1926.....	7,692,802	3,915,081	9,320,249	35,111	30,777,663

Horses slaughtered at all establishments, March, 1927, 2,397. Inspections of lard at all establishments, 152,072,201 inspection pounds; compound and other substitutes, 40,932,741 inspection pounds; sausage chopped, 58,273,306 inspection pounds.

Corresponding inspections for March, 1926: Lard, 158,738,120 inspection pounds; compound and other substitutes, 46,590,730 inspection pounds; sausage chopped, 59,868,544 inspection pounds.

(These totals of inspection pounds do not represent actual production, as the same product may have been inspected and recorded more than once in the process of manufacture.)

EXTENT OF TUBERCULOSIS IN ANIMALS SLAUGHTERED AT THREE IMPORTANT MARKETS, MARCH, 1927

Station	Total slaughter	Retained for tuberculosis		
		Total	Passed for steriliza- tion	Con- demned
Cattle:				
Chicago	156,049	12,654	347	1,801
Kansas City	83,058	520	16	81
Omaha	77,118	826	34	111
Swine:				
Chicago	517,530	84,438	1,195	1,056
Kansas City	204,642	14,757	141	119
Omaha	216,617	26,896	231	295

CAUSES OF CONDEMNATION OF CARCASSES, FEBRUARY, 1927

Cause	Cattle	Calves	Sheep	Swine
Emaciation	336	152	162	100
Hog cholera				1,599
Inflammatory diseases	889	223	712	2,097
Immaturity		344		
Tuberculosis	3,520	45		4,214
All other causes	875	154	350	3,804
Total	5,620	918	1,424	11,814

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during March, 1927, with figures for other periods for comparison.

Imports of food animals

Country of export	Cattle	Swine	Sheep	Goats
Mexico	11,081	1	2,662	3
Canada	14,360	26,872	82	7
Channel Islands	228			
Virgin Islands (to Porto Rico)	129	6		
Total: March, 1927	25,798	26,879	2,744	10
March, 1926	22,217	2,329	19	1
9 months ended March, 1927	266,729	179,337	43,759	76
9 months ended March, 1926	218,330	28,172	57,074	67

Imported meat and meat food products

Country of export	Fresh and refrigerated		Canned and cured	Other products	Total weight
	Beef	Other			
Argentina	Pounds	Pounds	Pounds	Pounds	Pounds
Australia		10,521	37		10,558
Canada	950,432	2,636,425	1,145,546	418,952	5,151,355
Uruguay			1,156,026		1,156,026
Other countries			363,850	96,573	460,423
Total: March, 1927	950,432	2,646,946	6,466,551	515,525	10,579,454
March, 1926	476,094	833,222	2,174,866	509,847	3,994,029
9 months ended March, 1927	11,873,610	16,021,700	23,387,646	3,210,065	59,493,021
9 months ended March, 1926	8,479,420	8,037,826	11,457,803	2,444,890	30,419,939

Condemned in March, 1927: Beef, 4,132 pounds.

Refused entry: Pork, 439 pounds.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, MARCH, 1927

State	Tuberculin tests during month			Total to date			Inspector in charge	State official
	Herds or lots	Cattle tested	Cattle re-acted	Once-tested free herds	Accredited herds	Herds under supervision		
Ala.	287	5,718	21	3,443	235	5,121	R. E. Jackson	C. A. Cary, Auburn.
Ariz.	394	4,842	79	7,665	29	8,932	F. L. Schneider	S. E. Douglas, Phoenix.
Ark.	230	1,363	7	2,887	20	4,548	H. L. Fry	J. H. Bux, Little Rock.
Calif.	239	7,729	40	3,991	108	4,121	R. Snyder	J. P. Iverson, Sacramento.
Colo.	13	458	9	2,321	118	2,664	W. E. Howe	C. G. Lamb, Denver.
Conn.	269	4,687	683	1,016	1,117	2,652	R. L. Smith	J. M. Whittlesey, Hartford.
Del.	131	1,946	104	2,544	1,407	4,635	W. G. Middleton	O. A. Newton, Bridgeville.
D. C.	4	413	1	253	26	286	J. A. Kiernan	
Fla.	89	3,282	11	6,633	403	7,476	J. G. Fish	J. V. Knapp, Tallahassee.
Ga.	106	1,140	1	11,368	41	12,297	A. L. Hirleman	P. F. Bahson, Atlanta.
Idaho	348	12,265	73	25,307	62	28,541	W. A. Sullivan	W. C. Nye, Boise.
Ill.	6,521	76,933	3,848	104,644	1,119	117,438	J. J. Lintner	F. A. Laird, Springfield.
Ind.	4,625	39,612	228	74,359	24,752	107,121	J. E. Gibson	Frank H. Brown, Indianapolis.
Iowa	5,235	82,812	1,675	76,952	7,170	134,572	J. A. Barger	M. G. Thornburg, Des Moines.
Kans.	5,044	64,723	586	42,804	931	44,824	N. L. Townsend	J. H. Mercer, Topeka.
Ky.	1,440	7,936	29	69,816	58	70,103	W. F. Biles	D. E. Westmorland, Frankfort.
La.	218	2,827	102	4,925	26	5,245	G. T. Cole	E. P. Flower, Baton Rouge.
Me.	1,177	7,510	58	23,230	4,157	29,042	G. R. Caldwell	H. M. Tucker, Augusta.
Md.	818	10,293	257	7,850	3,727	17,614	E. B. Simonds	James B. George, Baltimore.
Mass.	243	3,853	471	1,114	456	2,411	E. A. Crossman	F. B. Cummings, Boston.
Mich.	5,870	39,986	414	115,191	87	117,391	T. S. Rich	H. W. Norton, Jr., Lansing.
Minn.	3,310	76,147	1,270	29,011	7,942	41,515	W. J. Fretz	C. E. Cotton, St. Paul.
Miss.	815	6,673	6	49	95	161	H. Robbins	R. V. Rafn, Jackson.
Mo.	162	2,669	3	57,652	947	61,033	Ralph Graham	H. A. Wilson, Jefferson City.
Mont.	672	13,646	42	24,397	74	25,036	J. W. Murdoch	W. J. Butler, Helena.
Nebr.	3,093	40,857	284	44,618	105	45,208	C. H. Francis	C. H. Hays, Lincoln.
Nev.	76	1,507	20	3,441	10	4,576	L. C. Butterfield	Edward Records, Reno.
N. H.	323	4,397	117	2,522	2,509	5,134	E. A. Crossman	A. L. Felker, Concord.
N. J.	347	4,884	136	2,338	1,240	3,747	W. G. Middleton	J. H. McNeil, Trenton.
N. Mex.				3,525	13	3,813	F. L. Schneider	Mat Keenan, Albuquerque.
N. Y.	5,248	62,163	4,560	42,184	31,049	90,019	H. B. Leonard	E. T. Faulder, Albany.
N. C.	2,620	9,470	20	219,766	298	234,279	W. C. Dendinger	Wm. Moore, Raleigh.
N. Dak.	1,453	23,967	261	32,627	4,304	41,411	H. H. Cohemour	W. F. Crewe, Bismarck.
Ohio	5,874	42,698	1,187	103,778	697	109,306	A. J. De Fosset	F. A. Zimmer, Columbus.
Okl.	42	1,504	10	128	244	389	L. J. Allen	C. C. Hisel, Oklahoma City.
Oreg.	1,423	10,735	167	94,054	1,466	95,572	S. B. Foster	W. H. Lytle, Salem.
Pa.	1,952	20,020	357	65,192	3,705	80,520	J. B. Reidy	T. E. Munce, Harrisburg.
R. I.	29	765	127	76	42	227	E. A. Crossman	T. E. Robinson, Providence.
S. C.	1,171	3,134	3	20,377	171	20,625	W. K. Lewis	W. K. Lewis, Columbia.
S. Dak.	970	20,443	201	7,857	677	8,905	J. O. Wilson	M. W. Ray, Pierre.
Tenn.	187	3,673	3	19,085	278	19,504	H. M. O'Rear	W. B. Lincoln, Nashville.
Tex.	38	2,641	21	107	172	340	H. L. Darby	N. F. Williams, Fort Worth.
Utah	970	4,294	29	10,383	97	11,366	F. E. Murray	W. H. Hendricks, Salt Lake City.
Vt.	571	11,583	187	2,334	4,409	9,974	L. H. Adams	Edward H. Jones, Montpelier.
Va.	573	6,579	84	6,521	2,120	8,865	R. E. Brookbank	H. C. Givens, Richmond.
Wash.	950	13,637	222	49,404	61	53,173	J. C. Exline	Robert Prior, Olympia.
W. Va.	1,579	5,945	136	18,748	880	19,658	H. M. Newton	John W. Smith, Charleston.
Wis.	2,804	53,322	476	83,159	8,673	97,412	J. S. Healy	Walter A. Duffy, Madison.
Wyo.	45	752	1	7,579	5	8,766	John T. Dallas	H. D. Port, Cheyenne.
Total	70,607	828,433	18,627	1,539,255	118,332	1,827,508		

ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER LICENSES

	Total serum	Clear serum completed	Hyperimmune blood cleared	Simultaneous virus	Hyperimmunizing virus
March, 1927-----	<i>C. c.</i> 121,358,458	<i>C. c.</i> 52,164,445	<i>C. c.</i> 58,324,153	<i>C. c.</i> 2,695,166	<i>C. c.</i> 28,063,557
March, 1926-----	51,861,535	11,256,746	13,545,749	1,464,231	10,048,710
9 months ended March, 1927-----	881,949,319	353,345,913	360,410,724	43,388,497	180,934,177
9 months ended March, 1926-----	305,591,569	111,012,226	110,404,912	24,219,664	59,422,506

LICENSES ISSUED FOR BIOLOGICAL PRODUCTS IN MARCH, 1927

License No. 9 was issued March 8, 1927, to Lederle Antitoxin Laboratories, Middletown Road, near Pearl River, N. Y., for avian tuberculin.

License No. 37 was issued March 23, 1927, to the Sioux City Serum Co., 1100 Bluff Road and 1319 Bluff Road, Sioux City, Iowa, for anti-hog-cholera serum and hog-cholera virus.

License No. 52 was issued March 10, 1927, to The Cutter Laboratory, Fourth and Parker Streets, Berkeley, Calif., for mixed bacterin (rabbits).

License No. 158 was issued March 8, 1927, to the Globe Laboratories, Fostepco Heights, near Fort Worth, Tex., for abortion bacterin (bovine); autogenous bacterin.

License No. 188 was issued March 31, 1927, to the Colorado Serum Co., Forty-ninth and York Streets, Denver, Colo., for anti-hog-cholera serum and hog-cholera virus.

PERMITS ISSUED FOR BIOLOGICAL PRODUCTS IN MARCH, 1927

Permit No. 7 was issued March 3, 1927, to J. A. Rickert, 1932 Dayton Avenue, St. Paul, Minn., for the importation of bovine mastitis mixed bacterin, manufactured by the Hamilton Vaccine Co., Hamilton, New Zealand.

LICENSES TERMINATED

License No. 37, issued January 1, 1921, to the Sioux City Serum Co., 1319 Bluff Road, Sioux City, Iowa, was terminated March 23, 1927, and a new license No. 37, dated March 23, 1927, was issued, as indicated above, for the products listed.

License No. 110-A, issued July 2, 1923, to the American Serum Co., Forty-ninth and York Streets, Denver, Colo., was terminated March 31, 1927.

License No. 137, issued July 20, 1926, to the Manhattan Serum Co., Fairmont Addition, Manhattan, Kans., was terminated March 5, 1927.

DEMODECTIC MANGE

A bureau circular letter entitled "Directions for detecting demodectic mange in livestock" was issued December, 1926, and mailed to bureau stations. Reports from some bureau stations and from tanners indicate that demodectic mange affects cattle and hogs throughout the United States. The bureau inspectors at the Kansas City stockyards have become adept in detecting the lesions in live cattle, and since their reports show cases from various parts of the entire trade territory, it seems probable that undetected, infected cattle are passing through many, if not all, of the public stockyards. Ordinarily the lesions can be detected only by manual examination and probably inspectors in various yards and in the field have not learned how to make the inspections.

So far no cases have been reported in live hogs but the post-mortem reports show a large number of infected swine. The majority of cases in live cattle have been in aged milk cows. The incidence of the disease may be greater

in dairy breeds than in the beef breeds but it is possible that the difference may be accounted for by the fact that old milk cows usually are gentle, accustomed to being handled, and they can be closely examined in yards and corrals without additional restraint. A few cases have been found in yearling heifers of the dairy breeds.

Most of the lesions have been found on the sides of the neck, shoulders, and dewlap, and occasionally on the sides and abdomen. The number of nodules in the cases found varied from one to many, and, except in advanced cases, the lesions were not readily visible. The condition of the hair covering infected areas of skin is not a reliable indication of the presence or absence of nodules and ordinarily they can be detected only by manipulating the skin of the suspected animal.

The technic of a successful method of inspecting cattle is to examine the neck, shoulders, dewlap, sides, and inner surfaces of the thighs by passing the hand over the surface of the skin and manipulating portions of it between the fingers and thumb. If granules of dried serum, nodules, rough places, or any abnormal condition of the skin is detected, part the hair and examine closely. If small scabs or nodules are found, material should be collected for examination. Positive diagnosis can be made only by demonstrating the mite.

NEW PUBLICATIONS OF THE BUREAU

[The bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Farmers' Bulletin 713. Sheep Scab (revised). By Marion Imes, Zoological Division. Pp. 30, figs. 20.

Farmers' Bulletin 988. Larkspur or Poison Weed (revised). By C. Dwight Marsh, A. B. Clawson, and Hadleigh Marsh, Pathological Division. Pp. 13, figs. 6.

Farmers' Bulletin 1155 (slightly revised). Diseases of Sheep. By Bernard A. Gallagher, Pathological Division. Pp. 30, figs. 6.

Farmers' Bulletin 1337 (revised). Diseases of Poultry. By Bernard A. Gallagher, Pathological Division. Pp. 30, figs. 15.

Department Circular 400 (slightly revised). Foot-and-Mouth Disease with Special Reference to the Outbreaks in California, 1924, and Texas, 1924 and 1925. By John R. Mohler, Chief, Bureau of Animal Industry. Pp. 83.

Amendment 4 to B. A. I. Order 276, governing the preparation, sale, barter, etc., of viruses, serums, toxins, and analogous products for use in the treatment of domestic animals. Effective March 1, 1927. P. 1.

Amendment 24 to B. A. I. Order 294, placing the following-named counties in the modified accredited areas for a period of three years from April 1, 1927: Ford, Ill.; Gallatin, Owen, and Union, Ky.; York, Nebr.; Codington, S. Dak.; and part of Washington, Vt. Iredell County, N. C., has been "reaccredited" for a period of three years from April 1, 1927. P. 1 (mimeographed).

B. A. I. Order 301, governing the importation of domestic livestock and other animals into the United States. Supersedes B. A. I. Order 281 and became effective May 1, 1927. Pp. 14.

B. A. I. Order 302, governing the appraisement of tuberculous and paratuberculous animals and expenditures on account of the control and eradication of tuberculosis and paratuberculosis of animals. Supersedes B. A. I. Order 82 and becomes effective July 1, 1927. Pp. 4.

B. A. I. Order 303, to prevent the spread of scabies in sheep. Quarantines certain counties in California, Louisiana, and Mississippi. Effective May 1, 1927. P. 1.

B. A. I. Order 304, governing the recognition of breeds and purebred animals. Pp. 6.

B. A. I. Order 305, restricting the importation of animal casings. Pp. 2.



RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Livestock Quarantine Law

D. P. and R. D. Humphreys, Bainbridge, Ga., interstate movement of 65 cattle without tuberculin test, \$25 penalty.

John Harmer, Winchester, Va., interstate movement of two cows without tuberculin test, \$100 penalty.

Pennsylvania Railroad Co., interstate transportation of infectious car without cleaning and disinfection, \$100 penalty.

Twenty-Eight Hour Law

New York Central Railroad Co. (21 cases), \$2,100 fines.

Meat-Inspection Law

Swift and Co., Salt Lake City, Utah, and Charles Hoerner, same address, using second-hand containers bearing the marks of Federal inspection, \$50 fine for each.

Jacob Dorr, Salt Lake City, Utah, shipping uninspected meat in interstate commerce, \$50 fine.

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